



Ain-Shams University
Faculty of Medicine
Anesthesia and Intensive Care Department

Problems that Make Weaning From Mechanical Ventilator Difficult in Critical Care Unit

Essay

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Intensive Care

BY

Mohammed Abdel Aziz Ahmed Mohammed
M.B.B.CH, Alexandria University

Under Supervision of

Prof. Dr. Mervat Mohamed Marzouk

Professor of Anesthesia and Intensive Care Medicine
Faculty of Medicine - Ain- Shams University

Dr. Sherif Samir Wahba

Professor of anesthesia and Intensive Care Medicine
Faculty of Medicine - Ain- Shams University

Dr. Ahmed Abdel Dayem Abdel Haq

Lecturer of Anesthesiology and Intensive Care
Faculty of Medicine - Ain- Shams University

Faculty of Medicine
Ain- Shams University
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جامعة عين شمس
كلية الطب
قسم التخدير والرعاية المركزة

المشاكل التي تجعل الفطام من التنفس الصناعي الميكانيكي صعب في وحدة الرعاية الحرجة

رسالة

توطئة للحصول على درجة الماجستير في العناية المركزة

مقدمة من

الطبيب/ محمد عبد العزيز أحمد محمد

بكالوريوس الطب والجراحة
جامعة الاسكندرية

تحت إشراف

أ.د/ مرفت محمد مرزوق

أستاذ التخدير والعناية المركزة
كلية الطب - جامعة عين شمس

أ.د/ شريف سمير وهبه

أستاذ التخدير و العناية المركزة
كلية الطب - جامعة عين شمس

د/ أحمد عبد الدايم عبد الحق

مدرس التخدير والرعاية المركزة
كلية الطب - جامعة عين شمس

كلية الطب
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بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ

وَقَدْ اَعْمَلُوا فَسَيَرَى اللَّهُ عَمَلَكُمْ
وَرَسُولُهُ وَالْمُؤْمِنُونَ

صدق الله العظيم

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LIST OF ABBREVIATIONS

ARDS	: Acute respiratory distress syndrome.
ARF	: Acute Respiratory Failure.
ATC	: Automatic tube compensation.
CINMA	: Critical illness neuromuscular abnormalities.
CMV	: Controlled mechanical ventilation.
CO ₂	: Carbon dioxide .
COPD	: Chronic obstructive pulmonary disease.
CPAP	: Continous Positive Airway Pressure .
fC	: Heart rate.
FIo ₂	: Fraction of inspired Oxygen.
fR	: Respiratory rate.
GCS	: Glasgow Coma Sore .
ICU	: Intensive care unit .
MIP	: Maximal Inspiratory Pressure.
MV	: Mechanical ventilation.
NIV	: Non Invasive Ventilation.
PaO ₂	: Arterial partial pressure of oxygen.
PEEP	: Positive End Expiratory Pressure.
PMV	: prolonged mechanical ventilation.
PS	: Pressure Support.
PSV	: Pressure support ventilation.
RSBI	: Rapid shallow breathing index.
SaO ₂	: Arterial oxygen saturation.
SBT	: Spontaneous Breathing Trial.

List of Abbreviations (Cont.)

SIMV	: Synchronized Intermittent Mandatory Ventilation.
SWU	: Specialized weaning unit.
VAP	: Ventilator Associated Pneumonia.
VE	: Minute ventilation.
VILI	: Ventilator induced lung injury .
V_t	: Tidal volume.
WOB	: Work of breathing.

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Introduction





Aim of the Work





Chapter 1

Indications for Mechanical Ventilation





Chapter 2

Criteria of Weaning from Mechanical Ventilation





Chapter 3

Causes of Difficult Weaning from Mechanical Ventilation





Chapter 4

Management of difficult weaning from mechanical ventilation

